

L.V.Krishnan

After an Honours degree in Physics from Madras University, taught for a year in Vivekananda College, Chennai before joining the Dept of Atomic Energy in 1958. Graduated from the Training School in 1959 and joined the Helath Physics Division, BARC. Specialized in safety studies.

Studied Reactor Technology at the Oak Ridge School in the US.

Was associated with safety analysis of several nuclear installations including the reactors at Tarapur, Rajasthan, Trombay and Kalpakkam as well as Radiological Facilities at Trombay.

Worked on 'fast breeder reactor safety aspects' for a year in France at the Cadarache Research Centre in 1969-70

Set up the Safety Research Laboratory at Kalpakkam and initiated computational and experimental work on fast reactor safety issues.

Established and tested an Emergency Preparedness Plan for Kalpakkam facilities.

In 1996, spent six months as visiting Scientist at the Department of Engineering and Public Policy, Carnegie Mellon University, USA assisting in the preparation of a thesis reviewing Indian civilian nuclear power programme.

Retired as Director of Safety Research and Health Physics Programmes at the Indira Gandhi Centre for Atomic Research at Kalpakkam in 1997

Presently an Affiliate at the Centre for Study of Science Technology and Policy, CSTEP.

- Authored 18 scientific papers and presentations
- Developed/adapted several computer codes
- Served as Secretary of Safety Evaluation Working Group at IGCAR
- And later as its Chairman, reviewing the safety of FBTR and all associated facilities at IGCAR
- Worked for the Atomic Energy Regulatory Board, as a Member of the Advisory Committee on Project Safety Review for PHWRs; Chairman of the Committee to review existing regulations on Nuclear Power Plant Exclusion Zone; as Chairman of the Site Evaluation Committee for Fast Reactor Fuel Cycle Facility at Kalpakkam
- Was Chairperson of the Kalpakkam Chapter of Indian Physics Association (IPA) and Indian Society for Radiation Physics (ISRP) and later Vice-President of ISRP
- Is Patron of the Association for Waste Remediation in Environment, AWARE, Kalpakkam

Co-author of three books/ monographs,

- (1) "Atomic Energy in India: 50 Years" presenting the history of atomic energy in India (with CVSundaram and TSIyengar as coauthors) published by DAE in 1998
- (2) "Elements of Nuclear Power" (with Raja Ramanna) published by Gandhi Centre of Bharatiya Vidya Bhavan, Bangalore.
- (3) "Nuclear Power in India: the Road Ahead", with Anshu Bharadwaj, and S Rajgopal, CSTEP, Bangalore, Oct 2008

Recent presentations include

- "Worldwide Radionuclide Monitoring Network", ISRP, Kalpakkam Chapter, June 2006
- "The Future Nuclear Environment: An Indian Perspective", National Institute of Advanced Studies, Bangalore, Jan 2008
- "Safeguarding Nuclear Assets and WMD Terrorism", Regional Workshop on Nuclear Disarmament and South Asian Security: Regional Dialogue, Madras Christian College, Chennai, Sep 2008, organised by Institute of Peace and Conflict Studies
- "Internationalisation of Fuel Cycle: Thoughts from India", CISAC-NIAS Dialogue Meeting and Briefings, Washington, DC, October 6-8, 2008
- "Ensuring the Safety and Security of Nuclear Installations", ORF, Chennai, Jan 2009
- "Nuclear Security: An Indian Perspective", Nuclear Security Conference, King's College, London, Feb 18-19, 2010
- "Radiological Security: Status and Action – Indian Perspective", Avenues for Cooperation in Nuclear and Radiological Security, International Institute for Strategic Studies, London, Jan 21, 2011